INTERNATIONAL SEARCH REPORT

International application No. PCT/US03/11411

A. CLASSIFICATION OF SUBJECT MATTER						
IPC(7) :A01N 37/18; C07K 1/00; G01N 33/53 US CL : 435/7.1; 514/2; 530/350						
According to International Patent Classification (IPC) or to both national classification and IPC						
B. FIELDS SEARCHED						
Minimum documentation searched (classification system followed by classification symbols)						
U.S. : 435/7.1; 514/2; 530/350						
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched						
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) STN and WEST						
C. DOCUMENTS CONSIDERED TO BE RELEVANT						
Çategory*	Citation of document, with indication, where a	propriate, of the relevant passage	es Relevant to claim No.			
Y	CARRAWAY ETAL, "Induction of Ferritin and Heme Oxygenase-1 by Endotoxin in the Lung", American Journal of Physiology-Lung Cellular and Molecular Physiology, volume 275, Issue 3, pages L583-L592, September 1998, see entire reference.		ung			
Y	OTTERBEIN ET AL, "Mechanism Protection against Endotoxemia in I Pathway", American Journal of Ph Molecular Physiology, Volume 272, 1997, see the entire document.	Rats: A Ferritin-independ ysiology-Lung Cellular	dent and			
X Further documents are listed in the continuation of Box C. See patent family annex.						
• Special categories of cited documents: The later document published after the international filing date or priority date and not in conflict with the application but cited to understand						
	nument defining the general state of the art which is not considered be of particular relevance	the principle or theory under				
"E" ear	clier document published on or after the international filing date	considered novel or cannot be	ance; the claimed invention cannot be considered to involve an inventive step			
· oite	nument which may throw doubts on priority claim(s) or which is ed to establish the publication date of another citation or other	when the document is taken a	lone -			
"O" doc	cial reason (as specified) cument referring to an oral disclosure, use, exhibition or other cans	considered to involve an inven-	ance; the claimed invention cannot be tive step when the document is combined to documents, such combination being the art			
	cument published prior to the international filing date but later un the priority date claimed	"&" document member of the same patent family				
Date of the actual completion of the international search		Date of mailing of the international search report				
14 JULY 2003		12 AU				
Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231			oberto efor			
Facsimile N	o. (703) 50 <i>5</i> –3230	Telephone No. (703) 308-019	96			

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International application No. PCT/US03/11411

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C (Continua	tion). DOCUMENTS CONSIDERED TO BE RELEVANT		•
Category*	Citation of document, with indication, where appropriate, of the relevan	Relevant to claim No.	
X,P	Dabase Biosis, Biological Abstracts Inc., (USA), No. 2002:628846, "Heme Oxygenase-1 Systin In Organ Transplantation", Abstract, Katori et al, October 2002.		21-29
Y	Dabase Medline, US National Library of Medicine (Bethesda, MD, USA), No. 2001676797, "Adenovirus-mediated Heme Oxygenase-1 Gene Delivery Inhibits Injury-induced Vascular Neointima Formation", Abstract, Tulis et al., November 2001.		30-35
Y,P	Dabase Medline, US National Library of Medicine (Bethesda, MD, USA), No. 2002393530, "Effects of Normobari Hyperoxia in a Rat Model of Focal Cerebral Ischemia-Reperfusion", Abstract, Singhal et al., July 2002.		36-39
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International application No. PCT/US03/11411

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)					
This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:					
1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:					
2. Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:					
3. X Claims Nos.: 40 and 41 because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).					
Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)					
This International Searching Authority found multiple inventions in this international application, as follows:					
1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.					
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.					
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:					
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:					
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.					